EPSON

Quick Reference

RX-80 Printer

Control Codes by Function

Print Width Commands

⟨ESC⟩"M"	Turns Elite Mode ON.
⟨ESC⟩"P"	Turns Elite Mode OFF.
CHR$(15)	Turns Compressed Mode ON.
CHR$(18)	Turns Compressed Mode OFF.
CHR$(14)	Turns One-Line Expanded Mode ON.
CHR$(20)	Turns One-Line Expanded Mode OFF.
⟨ESC⟩"W1"	Turns Continuous Expanded Mode ON.
⟨ESC⟩"W0"	Turns Expanded Mode OFF.

Print Quality Commands

⟨ESC⟩"E"	Turns Emphasized Mode ON.
⟨ESC⟩"F"	Turns Emphasized Mode OFF.
⟨ESC⟩"G"	Turns Double-Strike Mode ON.
⟨ESC⟩"H"	Turns Double-Strike Mode OFF.
⟨ESC⟩"S0"	Turns Superscript Mode ON.
⟨ESC⟩"S1"	Turns Subscript Mode ON.
⟨ESC⟩"T"	Turns either Script Mode OFF.
⟨ESC⟩"-1"	Turns Underline Mode ON.
⟨ESC⟩"-0"	Turns Underline Mode OFF.
⟨ESC⟩"@"	Master Reset Code.

Alternate Character Sets

⟨ESC⟩"4"	Turns Italic Mode ON.
⟨ESC⟩"5"	Turns Italic Mode OFF.
⟨ESC⟩"R" CHR$(n)	Selects the international character set n. See Tables 6-2 and 6-3.
⟨ESC⟩"m"CHR$(4)	Selects graphics character set.
⟨ESC⟩"m"CHR$(0)	Restores normal control code use.

Special Printer Features

CHR$(7)	Sounds the bell for .1 second.
CHR$(8)	Backspaces.
CHR$(127)	Deletes the most recent text character in the print buffer.
⟨ESC⟩"s1"	Turns Half-Speed Mode ON.
⟨ESC⟩"s0"	Returns to normal speed.

Paper Feed Commands

CHR$(10)	Produces a line feed.
⟨ESC⟩"0"	Sets line spacing to 1/8 inch.
⟨ESC⟩"1"	Sets line spacing to 7/72 inch.
⟨ESC⟩"2"	Sets line spacing to 1/6 inch (default).
⟨ESC⟩"A"CHR$(n)	Sets line spacing to n/72 inch.
⟨ESC⟩"3"CHR$(n)	Sets line spacing to n/216 inch.
⟨ESC⟩"J"CHR$(n)	Produces an immediate one-time line feed of n/216 inch without a carriage return.

Forms Control Commands

CHR$(12)	Produces a form feed.
CHR$(13)	Produces a carriage return.
⟨ESC⟩"8"	Turns the paper-out sensor OFF.
⟨ESC⟩"9"	Turns the paper-out sensor ON.
⟨ESC⟩"C"CHR$(n)	Sets the form length in lines: n = 0 - 127.
⟨ESC⟩"C"CHR$(0)CHR$(n)	Sets the form length in inches: n = 0 - 22.
⟨ESC⟩"N"CHR$(n)	Produces a variable skip-over-perforation: n = 0 - form length or 127.
⟨ESC⟩"O"	Turns skip-over-perforation OFF.

Formatting Commands

TAB(n)	BASIC tab to column n. Varies with the system.
CHR$(9)	Activates a horizontal tab.
⟨ESC⟩ "e0" CHR$(n)	Sets the horizontal tab increment to n spaces, where n ranges: 0 - 21 in Pica Mode 0 - 25 in Elite Mode 0 - 36 in Compressed Mode
⟨ESC⟩ "f0" CHR$(n)	Tabs n spaces, where the range is 0 - 127.
CHR$(11)	Activates a vertical tab.
⟨ESC⟩ "e1" CHR$(n)	Sets the vertical tab increment to n lines. The maximum value of n is INT(255/x) for line spacing set to x/216 inch and INT(85/x) for line spacing set to x/72 inch.
⟨ESC⟩ "f1" CHR$(n)	Performs n line feeds without a carriage return, where the range is 0 - 127.
⟨ESC⟩"Q"CHR$(n)	Sets the right margin at n, where n ranges from 2 - 80 in Pica, 3 - 96 in Elite, and 4 - 137 in Compressed.
⟨ESC⟩"l"CHR$(n)	Sets the left margin at n, where n ranges from 0 - 78 in Pica, 0 - 93 in Elite, and 0 - 133 in Compressed.
⟨ESC⟩"U1"	Turns Continuous Unidirectional Mode ON.
⟨ESC⟩"U0"	Turns Continuous Unidirectional Mode OFF.
⟨ESC⟩"⟨"	Turns One-Line Unidirectional Mode ON.

Graphics Modes

CHR$(2^X)	When sent as graphics data fires pin X, where X = 0 - 7.
⟨ESC⟩"K"CHR$($n_1$)CHR$(n_2);	Turns Single-Density Graphics Mode ON; width = $n_1 + 256*n_2$.
⟨ESC⟩"L"CHR$($n_1$)CHR$(n_2);	Turns Double-Density Graphics Mode ON.
⟨ESC⟩"Y"CHR$($n_1$)CHR$(n_2);	Turns High-Speed Double-Density Graphics Mode ON.
⟨ESC⟩"Z"CHR$($n_1$)CHR$(n_2);	Turns Quadruple-Density Graphics Mode ON.
⟨ESC⟩"*"CHR$(n)CHR$(n_1)CHR$($n_2$);	Selects Graphics Density n, where: 0 = 480 dots per line (same as ⟨ESC⟩"K") 1 = 960 dpl (same as ⟨ESC⟩"L") 2 = 960 dpl (same as ⟨ESC⟩"Y") 3 = 1920 dpl (same as ⟨ESC⟩"Z") 4 = 640 dpl 6 = 720 dpl

DIP Switch Settings

Switch 1

1-8	ON	International character set	OFF
1-7	ON	International character set	OFF
1-6	ON	International character set	OFF
1-5	Inactive	Paper-out sensor	Active
1-4	12-inch	Form length	11-inch
1-3	Mute	Alarm beeper	Sounds
1-2	Graphics character set	Codes 128 to 159	Control codes
1-1	132 (Compressed)	Print width in columns	80 (Pica)

	NORMAL PRINT	SUPER SCRIPT	SUB SCRIPT	ITALICS	UNDER LINE	SUPER SCRIPT ITALICS	SUPER SCRIPT UNDER LINE	SUB SCRIPT ITALICS	SUB SCRIPT UNDER LINE	ITALICS UNDER LINE	SUPER SCRIPT ITALICS UNDER LINE	SUB SCRIPT ITALICS UNDER LINE
SINGLE-STRIKE PICA	ABCD	.....	.....	*ABCD*	ABCD	.....	.....	.....	.....	*ABCD*	.....	.....
SINGLE-STRIKE ELITE	ABCDE	.....	.....	*ABCDE*	ABCDE	.....	.....	.....	.....	*ABCDE*	.....	.....
SINGLE-STRIKE COMPRESSED	ABCDEF6	.....	.....	*ABCDEF6*	ABCDEF6	.....	.....	.....	.....	*ABCDEF6*	.....	.....
SINGLE-STRIKE EMP PICA	ABCD	.....	.....	*ABCD*	ABCD	.....	.....	.....	.....	*ABCD*	.....	.....
DOUBLE-STRIKE PICA	ABCD	ABCD	ABCD	*ABCD*	ABCD	*ABCD*	ABCD	*ABCD*	ABCD	*ABCD*	*ABCD*	*ABCD*
DOUBLE-STRIKE ELITE	ABCDE	ABCDE	ABCDE	*ABCDE*	ABCDE	*ABCDE*	ABCDE	*ABCDE*	ABCDE	*ABCDE*	*ABCDE*	*ABCDE*
DOUBLE-STRIKE COMPRESSED	ABCDEF6	ABCDEF6	ABCDEF6	*ABCDEF6*	ABCDEF6	*ABCDEF6*	ABCDEF6	*ABCDEF6*	ABCDEF6	*ABCDEF6*	*ABCDEF6*	*ABCDEF6*
DOUBLE-STRIKE EMPHASIZED PICA	ABCD	ABCD	ABCD	*ABCD*	ABCD	*ABCD*	ABCD	*ABCD*	ABCD	*ABCD*	*ABCD*	*ABCD*
SINGLE-STRIKE EXPANDED PICA	AB	.....	.....	*AB*	AB	.....	.....	.....	.....	*AB*	.....	.....
SINGLE-STRIKE EXPANDED ELITE	AB	.....	.....	*AB*	AB	.....	.....	.....	.....	*AB*	.....	.....
SINGLE-STRIKE EXPANDED COMPRESSED	ABC	.....	.....	*ABC*	ABC	.....	.....	.....	.....	*ABC*	.....	.....
SINGLE-STRIKE EMPHASIZED EXPANDED PICA	AB	.....	.....	*AB*	AB	.....	.....	.....	.....	*AB*	.....	.....
DOUBLE-STRIKE EXPANDED PICA	AB	AB	AB	*AB*	AB	*AB*	AB	*AB*	AB	*AB*	*AB*	*AB*
DOUBLE-STRIKE EXPANDED ELITE	AB	AB	AB	*AB*	AB	*AB*	AB	*AB*	AB	*AB*	*AB*	*AB*
DOUBLE-STRIKE EXPANDED COMPRESSED	ABC	ABC	ABC	*ABC*	ABC	*ABC*	ABC	*ABC*	ABC	*ABC*	*ABC*	*ABC*
DOUBLE-STRIKE EMPHASIZED EXPANDED PICA	AB	AB	AB	*AB*	AB	*AB*	AB	*AB*	AB	*AB*	*AB*	*AB*

Switch 2

2-4	ON	Skip-over-perforation feature	OFF
2-3	CR + LF	Automatic line feed	CR only
2-2	Active	Printer select	Inactive
2-1	Ø	Slashed zero	0

Note: The shaded boxes show the factory settings.

ASCII Codes

Dec	Hex	CHR	Dec	Hex	CHR	Dec	Hex	CHR	Dec	Hex	CHR
0	00	none	32	20	b	64	40	@	96	60	`
1	01	none	33	21	!	65	41	A	97	61	a
2	02	none	34	22	"	66	42	B	98	62	b
3	03	none	35	23	#	67	43	C	99	63	c
4	04	none	36	24	$	68	44	D	100	64	d
5	05	none	37	25	%	69	45	E	101	65	e
6	06	none	38	26	&	70	46	F	102	66	f
7	07	BEL	39	27	'	71	47	G	103	67	g
8	08	BS	40	28	(	72	48	H	104	68	h
9	09	HT	41	29	)	73	49	I	105	69	i
10	0A	LF	42	2A	*	74	4A	J	106	6A	j
11	0B	VT	43	2B	+	75	4B	K	107	6B	k
12	0C	FF	44	2C	,	76	4C	L	108	6C	l
13	0D	CR	45	2D	-	77	4D	M	109	6D	m
14	0E	SO	46	2E	.	78	4E	N	110	6E	n
15	0F	SI	47	2F	/	79	4F	O	111	6F	o
16	10	none	48	30	0	80	50	P	112	70	p
17	11	DC1	49	31	1	81	51	Q	113	71	q
18	12	DC2	50	32	2	82	52	R	114	72	r
19	13	DC3	51	33	3	83	53	S	115	73	s
20	14	DC4	52	34	4	84	54	T	116	74	t
21	15	none	53	35	5	85	55	U	117	75	u
22	16	none	54	36	6	86	56	V	118	76	v
23	17	none	55	37	7	87	57	W	119	77	w
24	18	CAN	56	38	8	88	58	X	120	78	x
25	19	none	57	39	9	89	59	Y	121	79	y
26	1A	none	58	3A	:	90	5A	Z	122	7A	z
27	1B	ESC	59	3B	;	91	5B	[	123	7B	{
28	1C	none	60	3C	<	92	5C	\	124	7C	|
29	1D	none	61	3D	=	93	5D	]	125	7D	}
30	1E	none	62	3E	>	94	5E	^	126	7E	~
31	1F	none	63	3F	?	95	5F	_	127	7F	DEL

Dec	Hex	CHR	Dec	Hex	CHR	Dec	Hex	CHR	Dec	Hex	CHR
128	80	┼	160	A0	b	192	C0	@	224	E0	`
129	81	┴	161	A1	/	193	C1	A	225	E1	a
130	82	┬	162	A2	"	194	C2	B	226	E2	b
131	83	┤	163	A3	#	195	C3	C	227	E3	c
132	84	├	164	A4	$	196	C4	D	228	E4	d
133	85	─	165	A5	%	197	C5	E	229	E5	e
134	86	|	166	A6	&	198	C6	F	230	E6	f
135	87	┌	167	A7	'	199	C7	G	231	E7	g
136	88	┐	168	A8	(	200	C8	H	232	E8	h
137	89	└	169	A9	)	201	C9	I	233	E9	i
138	8A	┘	170	AA	*	202	CA	J	234	EA	j
139	8B	▒	171	AB	+	203	CB	K	235	EB	k
140	8C	▀	172	AC	,	204	CC	L	236	EC	l
141	8D	▄	173	AD	-	205	CD	M	237	ED	m
142	8E	▌	174	AE	.	206	CE	N	238	EE	n
143	8F	●	175	AF	/	207	CF	O	239	EF	o
144	90	○	176	B0	0	208	D0	P	240	F0	p
145	91	♠	177	B1	1	209	D1	Q	241	F1	q
146	92	♥	178	B2	2	210	D2	R	242	F2	r
147	93	♦	179	B3	3	211	D3	S	243	F3	s
148	94	♣	180	B4	4	212	D4	T	244	F4	t
149	95	♪	181	B5	5	213	D5	U	245	F5	u
150	96	◙	182	B6	6	214	D6	V	246	F6	v
151	97	±	183	B7	7	215	D7	W	247	F7	w
152	98	#	184	B8	8	216	D8	X	248	F8	x
153	99	↘	185	B9	9	217	D9	Y	249	F9	y
154	9A	→	186	BA	:	218	DA	Z	250	FA	z
155	9B	↑	187	BB	;	219	DB	[	251	FB	{
156	9C	↓	188	BC	<	220	DC	\	252	FC	|
157	9D	×	189	BD	=	221	DD	]	253	FD	}
158	9E	÷	190	BE	>	222	DE	^	254	FE	~
159	9F	±	191	BF	?	223	DF	_	255	FF	

International Characters

Roman Typeface

	35	36	64	91	92	93	94	96	123	124	125	126
U.S.A.	#	$	@	[	\	]	^	`	{	|	}	~
FRANCE	#	$	à	°	ç	§	^	`	é	ù	è	¨
GERMANY	#	$	§	Ä	Ö	Ü	^	`	ä	ö	ü	ß
ENGLAND	£	$	@	[	\	]	^	`	{	|	}	~
DENMARK	#	$	@	Æ	Ø	Å	^	`	æ	ø	å	~
SWEDEN	#	¤	É	Ä	Ö	Å	Ü	é	ä	ö	å	ü
ITALY	#	$	@	°	\	é	^	ù	à	ò	è	ì
SPAIN	₧	$	@	¡	Ñ	¿	^	`	¨	ñ	}	~
JAPAN	#	$	@	[	¥	]	^	`	{	|	}	~
NORWAY	#	¤	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
DENMARK(E)	#	$	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü

Italic Typeface

	35	36	64	91	92	93	94	96	123	124	125	126
U.S.A.	#	$	@	[	\	]	^	`	{	|	}	~
FRANCE	#	$	à	°	ç	§	^	`	é	ù	è	¨
GERMANY	#	$	§	Ä	Ö	Ü	^	`	ä	ö	ü	ß
ENGLAND	£	$	@	[	\	]	^	`	{	|	}	~
DENMARK	#	$	@	Æ	Ø	Å	^	`	æ	ø	å	~
SWEDEN	#	¤	É	Ä	Ö	Å	Ü	é	ä	ö	å	ü
ITALY	#	$	@	°	\	é	^	ù	à	ò	è	ì
SPAIN	₧	$	@	¡	Ñ	¿	^	`	¨	ñ	}	~
JAPAN	#	$	@	[	¥	]	^	`	{	|	}	~
NORWAY	#	¤	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü
DENMARK(E)	#	$	É	Æ	Ø	Å	Ü	é	æ	ø	å	ü